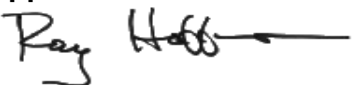


Seattle Public Utilities - Policy & Procedure

Subject: Standard, Connection, and Administrative Charges Rule		Number: SPU-DR-2010-001
		Effective: January 1, 2010
		Supersedes: SPU-DR-01-09 Version 2
Approved 	Date: 1/4/2010	Page(s): 19

1.0 PURPOSE

- 1.1 To set fees for special recurring and non-recurring services provided by Seattle Public Utilities.

2.0 REFERENCES

- 2.1 Seattle Municipal Code 21.04.100, 21.04.105, 21.04.125, 21.04.465, 3.02

3.0 DEFINITIONS

- 3.1 **Time and Materials** – the cost of a service as calculated by Seattle Public Utilities, including labor, equipment, materials, applicable permit fees and taxes, pavement restoration, overhead costs and any similar costs incurred by SPU while performing the service.
- 3.2 **Normal Hours** – Monday through Friday from 7:30am to 4pm, excluding those holidays observed by the City of Seattle.
- 3.3 **Extended Hours** – Monday through Friday from 4pm to 9pm from April through October, excluding those holidays observed by the City of Seattle.
- 3.4 **After Hours** – times other than normal hours or extended hours

4.0 POLICY

4.1 New Service Installation

4.1.1 Standard Charges for installation of new service:

Domestic Services (Excluding Street Restoration Charges)

<u>Size</u>	<u>Fee</u>
3/4"	\$2,546
1"	\$2,689
1 1/2"	\$7,113
2"	\$8,192
3" CT	\$30,119
4" CT	\$31,375
6" CT	\$42,885

*Note: If new service is being installed with developer water main, see item 4.29.

Combination Fire/Domestic Services

<u>Size</u>	<u>Fee</u>
4"	\$36,811
6"	\$52,493
8" Time and materials, deposit	\$55,000

Fire Services

<u>Size</u>	<u>Fee</u>
2" DC	\$9,245
4"	\$17,410
6"	\$19,960
8"	\$26,063

High-Capacity Meters (Additional Materials Costs)

<u>Size</u>	<u>Fee</u>
3" CT	\$801
4" CT	\$1,646
6" CT	\$1,088

Note – Service Installations are subject to the Connection Charge in 4.1.2

Service Conversions

Existing 4" DC to 4" Combo	\$36,811
Existing 6" DC to 6" Combo	\$52,493
Existing 8" DC to 8" Combo Time & Materials, deposit	\$55,000

Note – Service Conversions are subject to the Connection Charge in 4.1.2

Street Restoration

- Street restoration costs are in addition to the above charges and are based on street paving type and condition. Charges are based on a jobsite pre-installation inspection and in accordance with the requirements of the Seattle Department of Transportation's Street Opening and Restoration Director's Rules.
- For work on Moratorium Streets - Time & Material
Per Seattle Department of Transportation's Pavement Opening and Restoration Policy, where streets have been paved recently, contractor will be charged additional cost to cover the increased street restoration costs
- Street restoration costs for Seattle Public Utilities work in State DOT Right-of-Way, City of Burien, Skyway, and the City of Shoreline are based on agreements with these Cities or State agencies. Charge will be determined by jobsite pre-installation inspection and street restoration agreement.

Other New Service Installation Standard Charges

- All required City, County, and/or State, and other permits and fees are in addition to the standard charges listed above. Within Seattle City limits: **\$101** street use permit fee plus **\$150** street use inspection fee.
 - For 3/4" and 1" services installed in conjunction with new water main construction, if ordered 30 days prior to estimated start of construction: **\$412** reduction from standard charges.
 - For 2" and smaller domestic services installed concurrently with fire services in a common trench: 3/4" or 1" - **\$412** reduction from standard charge. 1 1/2" or 2" - **\$1,064** reduction from standard charge.
 - For 10" and larger services (all types) – Time and materials.
 - All services requiring installation in casings - standard charge plus casing bid price.
-

- Properties with two abutting mains: service installed at standard charge when main to be tapped is selected by Seattle Public Utilities (SPU). Time and materials if installation is otherwise.
- Time and materials, but not less than the applicable standard charge, for all purveyor services, for all services tapped on transmission mains or for special circumstances as determined by the Director of Seattle Public Utilities (SPU), or designee.
- Contractor Standby Charge – when site/contractor not ready as previously scheduled **\$550 per event**
- Isolation valve, if required:

8" Isolation valve -	\$8,095
10" Isolation valve -	\$9,742
12" Isolation valve -	\$13,040
16" or larger - Time and materials, deposit	\$18,000

Isolation valve installation is subject to the Street Restoration charges under 4.1.

- Ring and Cover Casting, if required

For new or existing ¾", 1" and all fire service:	\$719 additional
For new or existing 1½" or 2" domestic services:	\$199 additional
- Automated Meter Reading equipment, if required by meter installation standards:

2" or smaller meter:	\$248 additional
3" or larger, single register (fire service)	\$248 additional
3" or larger, two register (domestic or combo)	\$437 additional
3" or larger, 2 register, with fire service in the same chamber	\$623 additional

4.1.2 New Service Connection Charge

The new service connection charge is in addition to the metered service installation or conversion charges shown above. The charge is based on the Connection Charge Unit Rate of \$743. Fire-only services will be charged 40% of the corresponding new service connection charge.

The connection charge rate results in connection costs of:

¾"	\$743
1"	\$1,263
1 1/2"	\$2,452
2"	\$3,938
3"	\$8,173
4"	\$12,631

6"	\$24,519
8"	\$39,379
10"	\$57,211
12"	\$77,272
16"	\$124,824
20"	\$181,292
24"	\$245,190

4.2 Service Size Increase

- To increase service size of existing 2" and smaller service in the same location (within 30" of existing service) at customer request - applicable new service installation charge will be made (see Item 4.1.1). No charge for meter removal or retirement will be made. Subject to limitations established by Director of SPU, or designee.
EXCEPTION: To renew and increase 1/2" or 3/4" steel or plastic service to 1" copper service in same location (within 30" of existing service) at customer request - **\$325**
- Size increase request at a location exceeding 30" from existing service will also be subject to a new service installation charge (Item 4.1.2) and service retirement charges (Item 4.6) for the existing service.
- Service size increases are subject to the Connection Charge and Street Restoration charges under 4.1.

4.3 Service Size Reduction (within 30" of existing service).

- 2" and under - when reduced to smaller size **\$358**
- All other sizes – time and materials
- Service size decreases are subject to the Street Restoration charges under 4.1.

4.4 Meter Test (At request of customer)

Charge will be waived if tested meter is found to be over-registering.

- Tests Conducted at the Meter Shop:

Meter Shop test of 1" or smaller meter:	\$234
Meter Shop test of 1 1/2" meter:	\$522
Meter Shop test of 2" meter:	\$656
Larger than 2" meter: Time and materials, deposit	\$700
 - Field Testing of 1" or Smaller Meters **\$114**
 - Field Testing Retail Service Meters
-

Outside Seattle Direct Service Area

\$767

4.5 Meter Removal

3/4" or 1" meter:	\$82
1 1/2" or 2" meter:	\$133
3" to 8" meter:	\$769
Larger than 8" meter: Time and materials, deposit	\$800
Removal of illegal jumper:	\$73

4.6 Service Retirement

Abandonment with or without meter removal. This charge also applies to a customer requested service transfer from one abutting water main to another, not related to new water main construction.

1" and smaller:	\$1,347
1/2" and 2":	\$1,366
3" :	\$1,410
4" and larger: Time and materials, deposit	\$7,000

Service Retirement – Second Trip due to contractor delay

When contractor needs continuous water service or some other condition requires SPU to return to job site to perform the retirement.

1" and smaller:	\$1,347
1/2" and 2":	\$1,366
3"	\$1,410

Service retirements are subject to the Street Restoration charges under 4.1.

Repaving happens after SPU visits the site. If a contractor repaves before this time additional costs incurred by SPU will be billed at Time & Materials.

4.7 Meter Reset

For meter resets following customer-requested removals:

3/4" meter	\$149
1" meter:	\$217
1 1/2" meter :	\$363
2" meter:	\$483
3" or larger meter: Time and materials, deposit	\$700

Install Temporary Service Jumper		
2" and smaller:		\$149
3" and larger: Time and materials, deposit		\$700

For meter resets following credit-related removals:

	<u>Normal Hours</u>	<u>All Other Times</u>
¾" or 1" meter:	\$152	\$314
1½" or 2" meter:	\$179	\$373
3" or larger meter:		
Time and materials, deposit	\$700	\$700
Install Temporary Service Jumper		
2" and smaller:		\$155
3" and larger: Time and materials, deposit		\$700

NOTE: If reduction in size occurs at time of reset, then charge reduction fee only.

4.8 Special Field Trips

- Meter Shut-Off or Turn-On Charge - Including Fire Services. Charges are for each trip.

	<u>Normal Hours</u>	<u>Extended Hours</u>	<u>After Hours</u>
¾ - 2" meter -	\$124	\$217	\$488
3" & larger -	\$363	\$528	\$748

This charge may be suspended in special circumstances as determined by the Director of SPU or designee.

No charge for the first trip for a credit related turn-on during SPU normal business hours. Second and subsequent trips - subject to applicable standard charge above.

- Investigate On-Property Loss of Water

When loss of water is caused by actions taken on-property - Same charge as for meter turn-ons and shut-offs, above.

When investigating leaks on-property when the City water service line is intact - Same charge as for meter turn-ons and shut-offs, above.

- Inspection Services: Re-inspection required because the requesting customer is not ready for inspection by deadline or stated date - **\$149**

- **Special Meter Read**

For Actual Readings meters of all sizes ordered in connection with property ownership or occupancy changes - **\$101**

For Obstructed Meter Readings - **\$96**

- Adjust buried, obstructed or low meter boxes or valve boxes caused by customer installed landscaping or resurfacing ($\frac{3}{4}$ " to 2" meters) - **\$372**
- Trim customer-installed vegetation obstructing meter boxes or fire hydrants - **\$221**
- Replace customer damaged lock - **\$36**

4.9 Statement of Combined Utility Account

- For request by customer for billing system screen-print statement of account activity for each 12 month period - **\$7**
- For request by customer for formal statement of account activity, for each account number per 12-month period - **\$54**
- For request by another utility for water consumption information to be used for billing the retail services of that utility - **\$2** per account for information covering any period of 12 months or less.

4.10 Process Returned Check or Draft

Includes checks returned for non-sufficient funds or other reasons which prevent processing - **\$25**

4.11 Collection Charges

- **Late Payment Charge.** Past due balances may be subject to a late payment charge that will include one or both of the following charges:

Collection Notice Charge: **\$10** for active account Urgent or Shutoff Notice, or closed account Final Notice.

Delinquent Interest Charge: Monthly interest at the legal rate on past due balances.

- Credit field visit in same bill period - **\$44**
 - Service shut off charge for non-payment – See Item 4.7
-

4.12 Duplicate Bill Preparation

For all duplicate bills produced at customer request after original bill was produced - **\$7**

4.13 Delayed Final Customer Billing

For request for final customer bill when notification is received more than 45 days after final bill date - **\$39**

4.14 Acquisition of Hydraulic Flow Data

- Where records are available for fire protection grading purposes - No charge
- SPU measures hydrant flow, flushes main, and prepares flow test report - **\$1,798**
- Contractor measures hydrant flow with SPU assistance, SPU flushes main and reviews flow test results prepared by contractor - **\$907**
- Performance of hydraulic analysis and report to determine best alternative to meet or exceed fire flow requirements. Time and materials with **\$2,000** deposit.
- Preparation of Hydraulic Modeling Simulation Report, when a flow test is not feasible, during a declared water emergency, or when a calibrated hydraulic model is available - **\$310**

4.15 Non-Firefighting Hydrant Use Permit

- Permit fee: **\$176**
 - Charge for water use:
If SPU determines water use will be less than 8,000 gallons per day:

\$37 per day	September 16 - May 15
\$48 per day	May 16 - September 15

Otherwise, a hydrant meter is required and commercial rates are charged.
 - During a declared water emergency, any hydrant permit users allowed to continue their permits will be charged at established surcharge commercial rate, if any.
 - Billing fee: **\$51** for billing made by SPU for payment subsequent to hydrant permit use.
 - Hydrant valve and meter assembly: **\$400** deposit for use of any SPU supplied hydrant equipment and material. Deposit refunded upon return of all equipment and material in same-as-issued condition. In the event of
-

damaged equipment, SPU will keep a portion of the deposit equal to the cost of the damaged equipment, including overhead cost.

Installation and removal: **\$107 each**

Water use charged at the commercial rate or surcharge commercial rate if during a declared water emergency.

4.16 Paint Hydrant

Paint Hydrant at customer request - **\$147**

4.17 Hydrant Reset

Set hydrant back or move closer to water main, where no re-tapping of main is required - **\$6,643** plus City or County permitting, plan review or inspection fees.

Plus, as required:

- Street Restoration charges under 4.1.
- Quick connect adapter - **\$254**

4.18 Hydrant Relocation

Remove existing hydrant and move to new location, new tap on main required- **\$12,101** plus City or County permitting, plan review or inspection fees.

Plus, as required:

- Street Restoration charges under 4.1.
- Quick connect adapter - **\$254**

4.19 Install New Hydrant on Existing Water Main

Install new hydrant on existing water main - **\$5,572** plus City or County permitting, plan review or inspection fees.

Plus, as required:

- Street Restoration charges under 4.1.
- Quick connect adapter - **\$254**

For new hydrants requiring supply lines in excess of 10 feet in length, the charge will be the greater of:

The applicable standard charge listed above; or,
Time and materials.

4.20 Install Vertical Extension on Existing Hydrant

Install vertical extension on existing hydrant - **\$1,996** plus City or County permitting, plan review or inspection fees.

Plus, as required:

- Street Restoration charges under 4.1.

4.21 Cross-Connection Control Program

Charge for mailing reminder letters to customers who do not provide acceptable proof of satisfactory performance test of their backflow preventers within 30 days of receiving original notification, or to customers who have not installed backflow preventers as required - **\$39** for each backflow preventer.

- Hanging shut-off notices - **\$109**
- Shut-off & turn-on – Applicable standard charge for Special Field Trip as specified in Section 4.8.

4.22 Access Along or Crossing Transmission Right-Of-Way

- Gate Opening
Minimum - **\$161**
Charge may be in excess of the minimum depending upon the circumstances of opening.
- Pipeline Crossing – Time and materials for employees and equipment stationed to protect the pipeline during crossing

4.23 Additional Services Which Are Billed As Time and Materials

- Relocation of Meter and Box - Limited to a lateral move of 30" - deposit amount to be determined upon order.
- Service Damage - For repair of damaged curb stop or meter setter, tailrun, etc. – time and materials, **\$150** minimum.
- Water main Cut and Cap - For cut, cap and block of existing water main - deposit amount to be determined upon order.
- Design and/or Install Pressure Reducer

SPU Design: Time and materials, deposit **\$8,200**

Installation (by SPU): Time and materials.

4" PR (2" Bypass)	deposit	\$31,000
6" PR (2" Bypass)	deposit	\$33,000
8" PR (4" Bypass)	deposit	\$41,000

The deposit amounts listed above are the expected project costs, and do not include the cost of street repair. Street repair costs will be borne by the developer.

- **Work Outside Normal Business Hours** - All work performed outside of SPU normal business hours due to customer request, or due to customer water supply concerns, will be charged at an overtime rate.
- **State DOT Right-Of-Way** - When any work is to be performed in a SDOT right-of-way which necessitates a Letter of Justification - **\$600** deposit required for application to SDOT by SPU.
- **Installation Plans** - Water meter and fire hydrant installation plans may be prepared by SPU at the developer's expense. The cost to prepare the plans depends primarily on the availability of as-built information and the number and complexity of the existing utilities. An advance deposit of **\$360** is required from the customer before design work begins.

DEVELOPER PROJECTS

NOTE: Charges paid more than 12 months in advance of work performed will be recharged at current years rate.

4.24 Water Main Connection

For cut-in tee connection to charged water mains, SPU furnishes sleeve(s) to connect new tee into existing main. For wet tap connection, SPU furnishes tapping sleeve and tapping valve. Contractor furnishes all other materials, tees, valves, valve boxes and lids, fittings, sleeves, excavation, backfill, compaction and restoration. SPU performs shutdown and draining of existing mains, connection of new main, and restoration of service - **\$3,813** per connection.

4.25 Water Quality Inspection, Sample Collection and Bacteriological Testing

- **\$794** for first 500 feet; this
- **\$561** for each additional 500 feet thereafter.

4.26 Design Review, Plan Approval, Administration and Acceptance of is Main

- **\$1,494** per water main project.

4.27 Construction Inspection

Rate includes travel to and from job site

0 – 350 lineal feet -	\$5,975
351 – 700 lineal feet -	\$7,369

701 - 1,050 lineal feet - **\$10,775**
Over 1,050 lineal feet requires Special Estimate (time & materials)
Time and materials will be charged for re-inspection caused by contractor.

4.28 **Compaction Tests –**

Required when contractor uses native or imported backfill instead of control density fill

- Field in-place density test per ASTM D 2922 -- **\$224**
- Maximum dry density (per ASTM D 698 - **\$112**

4.29 **New Service Installation (Developer) –**

Standard Charges will be reduced for new service installation in conjunction with developer installed water mains. None of the discounts for non-developer service installations listed in Section 1 apply to the developer fees listed below.

- The following conditions must be met:
 - Property is within the direct service area of Seattle's water utility; and either:
 - Developer is installing a water main to serve the property; or,
 - In peak work load conditions, the Developer may be charged a reduced rate if the Department authorizes the Developer to open trench, shore, backfill, and complete all street/sidewalk paving restoration.

NOTE: If above conditions are not satisfactorily met, Developer will pay SPU on a time and materials basis for completion of work.

- Charges for new service installations meeting the conditions above are:

Domestic Services

<u>Size</u>	<u>Fee</u>
3/4" Domestic	\$2,005
1" Domestic	\$2,183
1 1/2" Domestic	\$4,905
2" Domestic	\$5,994
3" CT	\$25,730
4" CT	\$26,824
6" CT	\$31,574

Combination Fire/Domestic Services

<u>Size</u>	<u>Fee</u>
4" in residential street	\$22,647
4" in arterial street	\$22,647
6" in residential street	\$36,234
6" in arterial street	\$36,234
8" Time and material - deposit	\$40,000

Fire Services

<u>Size</u>	<u>Fee</u>
2"	\$7,693
4"	\$14,344
6"	\$16,615
8"	\$22,621

High-Capacity Meters (Additional Materials Costs)

<u>Size</u>	<u>Fee</u>
3" CT	\$801
4" CT	\$1,646
6" CT	\$1,088

New service installations in conjunction with developer installed water mains are subject to the Connection Charges under 4.1.2.

4.30 PROPERTY SERVICES

4.30.1 Easements

The charges itemized below pertain to SPU's administrative costs only and do not include the value of real property rights.

1. **\$5,000** minimum deposit for actual time-and-material costs for easements granted or acquired, but not through the street vacation process.
2. **\$3,455** for easement for infrastructure to be owned by SPU but installed by a developer, assuming the developer provides SPU with



confirmed title, survey, legal description, and draft easement document.

4.30.2 Permits

Unless otherwise provided for in the permit, all permits are 30-day revocable. Annual use fees will vary with type of permit; both administrative and annual use fees are due unless otherwise noted. Permits may be updated including annual use fees.

1. Administrative fees:

- a. **\$1,655** for permit expected to require up to 16 hours of SPU time, or **\$3,000** deposit for time-and-material costs for permit expected to require more than 16 hours of SPU time.
- b. **\$540** for permittee name change with no change in use. Permit, including use fee, will be updated at this time.
- c. **\$325** for the initial permit for parking or special short-term surface use. **\$105** for permit renewal for recurring use up to 21 days per year.

2. Annual use fees: Annual use fee may be reduced based on off-setting benefits, if any, to SPU. Leasehold Excise Tax is required on all permits above \$250 unless exempt. Exemptions are defined by RCW 82.29A.130 and include utilities, entities not required to pay property taxes such as a non-profit agency, and situations where City does not own the underlying property.

- a. Utility Crossing Permits: Permit for utility crossings within SPU fee-owned property over or under SPU infrastructure. No annual use fee.
- b. Utility Use Permits (non tunnel): Utility use permits are primarily for linear use of SPU fee-owned property, surface, underground, or overhead, excluding SPU tunnels.
 - i. **\$500** base annual use fee, plus **25 cents** per linear foot over 1,000 feet,
 - ii. plus **\$250** per each handhold, vault under 8 ft.³, or other utility box,
 - iii. plus **\$500** annual use fee for each vault over 8 ft.³
- c. Utility Use in SPU Tunnels:
 - i. **\$767** for each conduit or inner duct under 2 inches diameter
 - ii. **\$1,534** for each conduit between 2 to 3 inches diameter
 - iii. **\$2,300** for each conduit (which can contain inner duct) 3+ inches diameter up to 48 square inches in cross sectional area of the cable or conduit.

- d. Non-Utility Surface Use Permits: The annual fee is calculated by SPU using an approach based on SPU's determination of the fair market value of the adjoining property. There is a **\$1,000** minimum annual use fee.
- e. Parking or Short Term Surface Use: **\$50** per day for parking or special short term surface use such as community sponsored non-profit events. For permit fees see 4.30.2.1.c.

4.30.3 **Street Vacation Applications:**

- 1. No charge if there is no SPU infrastructure.
- 2. **\$5,000** minimum deposit toward time-and-material when either there is SPU infrastructure in the street vacation area, or would impact other SPU infrastructure.

4.30.4 **Surplus, Sale or Exchange of SPU Fee-owned Property:**

- 1. **\$5,000** minimum deposit is required for time-and-material cost when an individual initiates the sale of SPU property for their own benefit. Costs include SPU staff time, appraisal, research, surplus process, purchase and sale agreement, ordinance, closing and recording. Buyer will also pay for the value of the land.
- 2. When SPU initiates the surplus process for its own benefit, there is no administrative charge to the potential buyer. The buyer will pay for the value of the land.

4.30.5 **Lease:**

\$5,000 deposit towards time-and-material administrative charges for leases of SPU-owned property for more than one year (approval by City Council). Rent, in addition to administrative fee, may be reduced by off-setting benefits to SPU.

4.30.6 **Encroachments:**

Encroachments are unauthorized uses of SPU fee-owned property or easement rights.

- 1. In the event that SPU determines that a party is encroaching on SPU property rights, that party must apply to SPU for an annual permit or must remove the encroachment.
 - 2. Administrative Fee is set according to 4.30.2.1.
 - 3. Use Fee is set according to 4.30.2.2. The fee shall be paid upon renewal, with the initial payment due not later than six (6) months from the date the permit is issued
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4.30.7 . **Access to SPU Properties**

1. **\$120** to open or close the gate.
2. **\$60** per hour with a one hour minimum charge for entry to SPU facilities when security specialist is required for either access, or to stay with company workers while on SPU property.

LABORATORY ANALYSIS

All laboratory analyses will be conducted at the discretion of the Water Quality Laboratory Manager and on the basis of time availability. Prices reflect the cost for routine analyses with standard reporting and turnaround times. The price for analyses not included in this list will be based on the cost for labor, equipment, material and overhead, as determined by the Water Quality Laboratory Manager. If available and mutually agreeable, analyses may be available on a call out basis at double the charges listed.

4.31 Bacteriological Analysis	Per Analysis
4.31.1 Total Coliform (MF)	\$25
4.31.2 Total Coliform (MPN)	\$21
4.31.3 Total Coliform/E. Coli (MMO/MUG; P/A)	\$17
4.31.4 Coliform verification; including Fecal Coliform/E. Coli (EC/MUG)*	\$25
4.31.5 Fecal Coliform (MF)	\$25
4.31.6 Fecal Strep (MF)	\$21
4.31.7 Enteric culture identification (API)	\$99
4.31.8 Heterotropic plate count	\$26
4.31.9 Pseudomonas (MF)	\$25
4.31.10 Biolog	\$145
4.31.11 Sample prep for non-drinking water (filter/dilutions)	\$14

*This test is performed on drinking water samples that test positive for Total Coliform by the membrane filtration method. It is used to verify the presence of Total Coliform and simultaneously test for Fecal Coliform and E. Coli.

4.32 Chemical Analysis	Per Analysis
4.32.1 Metals/Inorganics	
4.32.1.1 Metals by Flame AA and Flame Emission Screen	\$19 per element
Batch of 8 to 19	\$39 per element
Batch of 20 or more	\$22 per element
4.32.1.2 Metals by Graphite Furnace AA	
Batch of 1 to 19~	\$43 per element
Batch of 20 or more	\$29 per element
4.32.1.3 Digestion for non-drinking water samples	\$25 per sample

4.32.1.4 ICPMS 21 element screen Φ	\$244 per sample
4.32.1.5 ICPMS (less than 20 samples, 3 to 7 elements/sample)	\$24 per element
4.32.1.6 ICPMS (20 or more samples for 3 to 7 elements or 10 or more samples for 8 or more elements)	\$16 per element
4.32.1.7 Metals Filtration	\$23 per sample

~ If 2 or more metals can be analyzed simultaneously, then 10 samples of 2 metals qualify for volume discount.

Φ ICPMS screen includes: Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Hg, K, Mn, Na, Ni, Pb, Sb, Se, Sn, Ti, Zn

4.32.2 Titrations	
4.32.2.1 Total Alkalinity	\$21
Batch of 10 or more	\$16 per sample
4.32.2.2 Calcium or Hardness, edta	\$23
Batch of 10 or more	\$17 per sample

4.32.3 Organics	
4.32.3.1 Total Trihalomethanes (TTHMs)	\$99
4.32.3.2 Total Organic Carbon (TOC)	\$30
4.32.3.3 Haloacetic Acids (HAAs)	\$141
4.32.3.4 Dissolved Organic Carbon (DOC)	\$39
4.32.3.5 DBP Formation/Simulate	
Distribution System (Prep only)	\$82

~ If 2 or more metals can be analyzed simultaneously, then 10 samples of 2 metals qualifies for volume discount.

4.32.4 Nutrients	
4.32.4.1 Total Nitrogen	\$25
4.32.4.2 Total Phosphorus	\$25
4.32.4.3 Nitrate-Nitrite	\$24
4.32.4.4 Soluble Reactive Phosphorus	\$24

4.32.5 Other Procedures	
4.32.5.1 Color	\$9
4.32.5.2 Copper (comparator, colorimetric)	\$11
4.32.5.3 Fluoride (potentiometric)	\$14
4.32.5.4 Iron (colorimetric comparator)	\$11
4.32.5.5 pH, potentiometric	\$14
4.32.5.6 Specific conductance	\$11
4.32.5.7 Turbidity	\$9
4.32.5.8 Chlorine Residual, colorimetric	\$11
4.32.5.9 Chlorine Demand	
Single contact time at the requested temperature, pH, and Cl ₂ dosage	\$102
For each additional contact time, temperature, pH or Cl ₂ dosage on the same water source.	\$34

4.32.5.10 Seepage (minimum – or sum of parameters tested)	\$58
4.32.5.11 UVA (254-545)	\$13
4.32.5.12 SOC-VOC Screen	\$168
4.32.5.13 VOC Screen	\$137
4.32.5.14 Nitrate-Nitrite Screen and UVA	\$28
4.32.5.15 Solids, Total Suspended	\$30
4.32.5.16 Solids, Total Dissolved	\$29

4.33	Limnological Analysis	Per Sample
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4.33.1 Algal biovolume and identification to genus	\$56
4.33.2 Algal Toxins	\$55
4.33.3 Flavor Profile Analysis (FPA) and Flavor Rating Assessment (FRA)	\$68